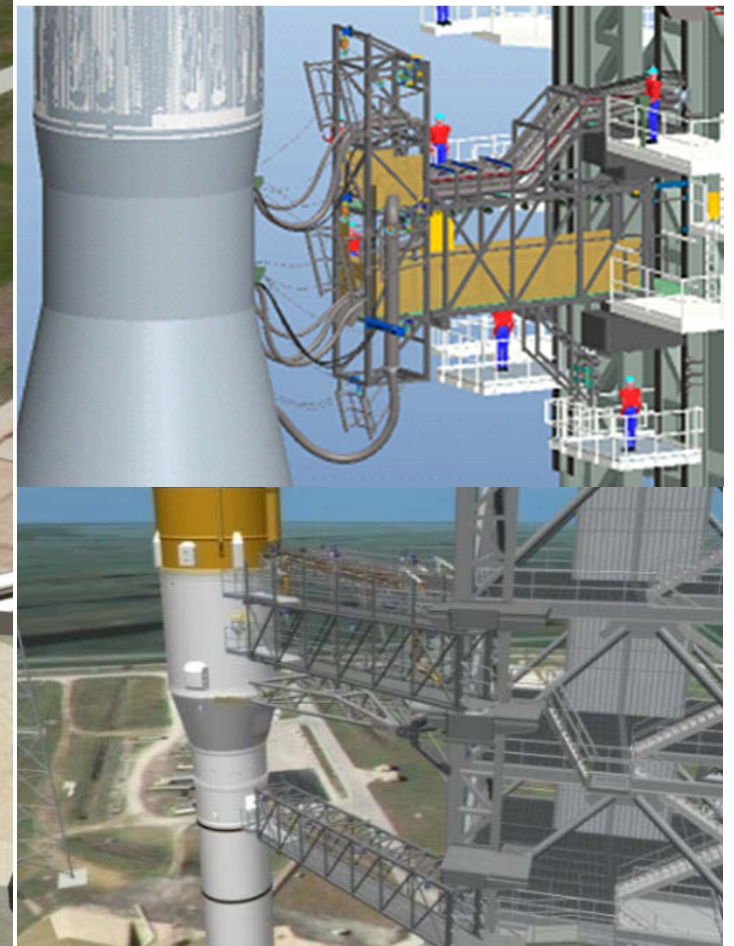


Mobile Launcher DATA

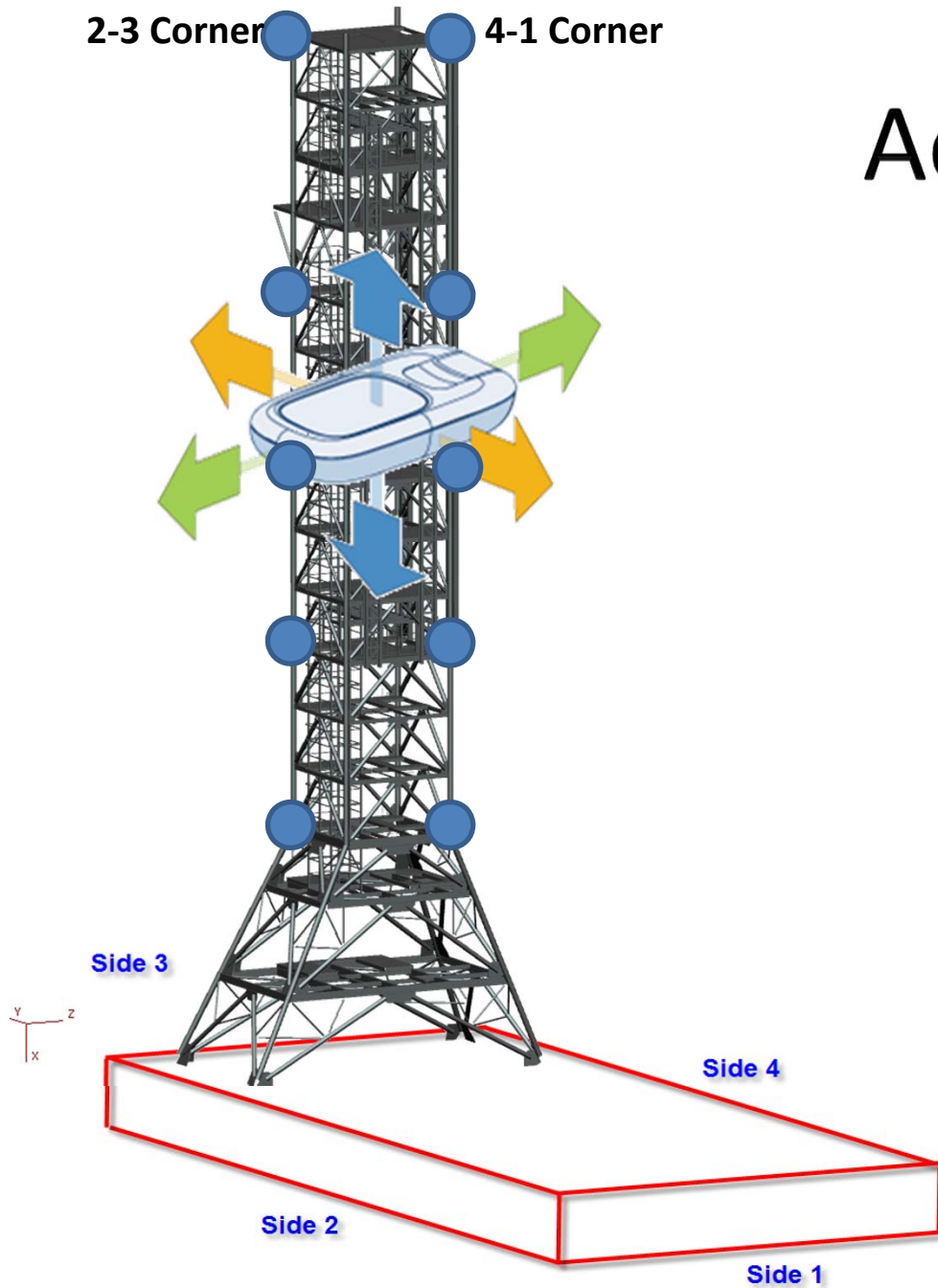




Verify Model
Need
Frequency
& Possibly
Amplitude of
Accelerations

5G

Accelerometers on the corners at different levels

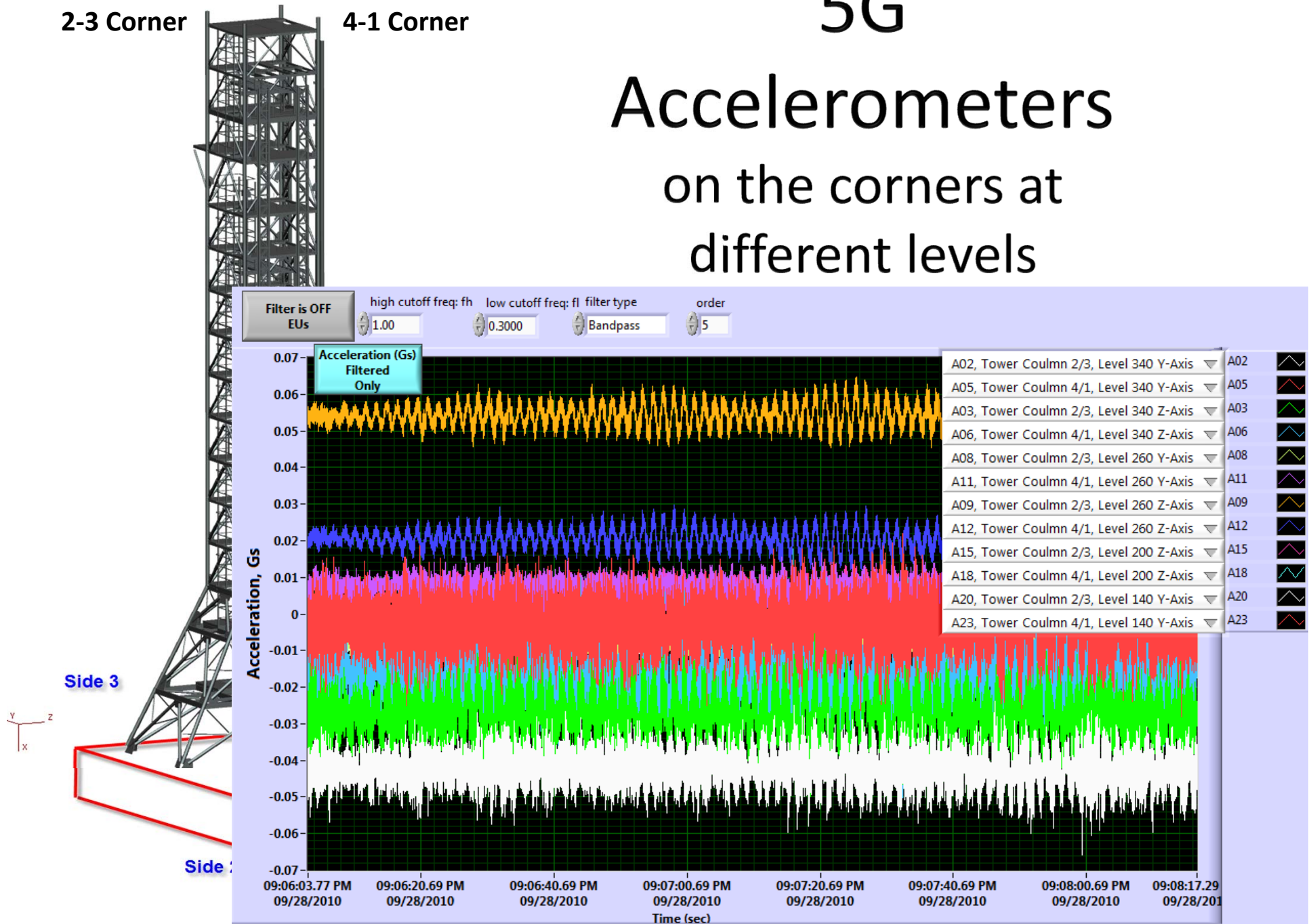


2-3 Corner

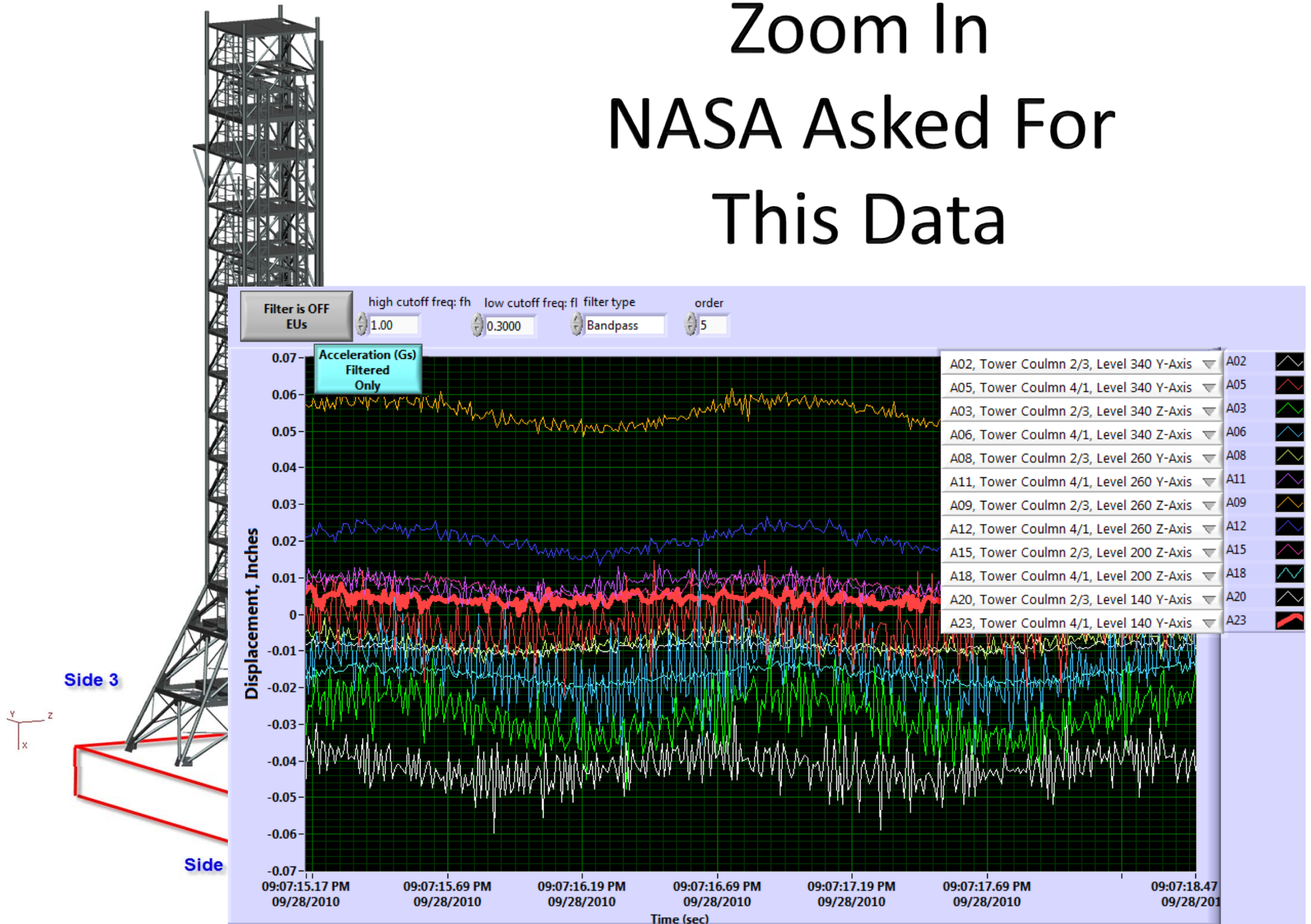
4-1 Corner

5G

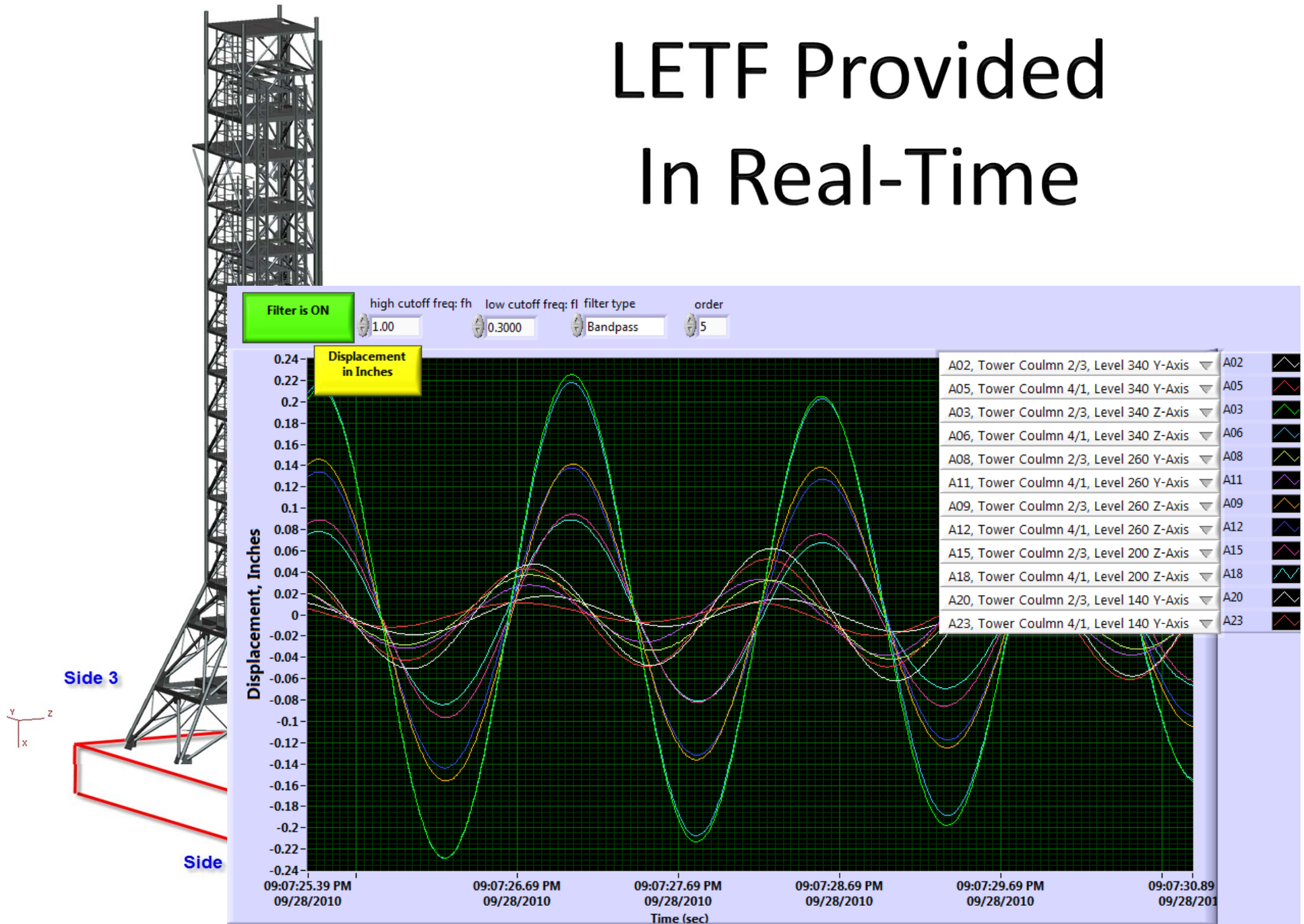
Accelerometers on the corners at different levels



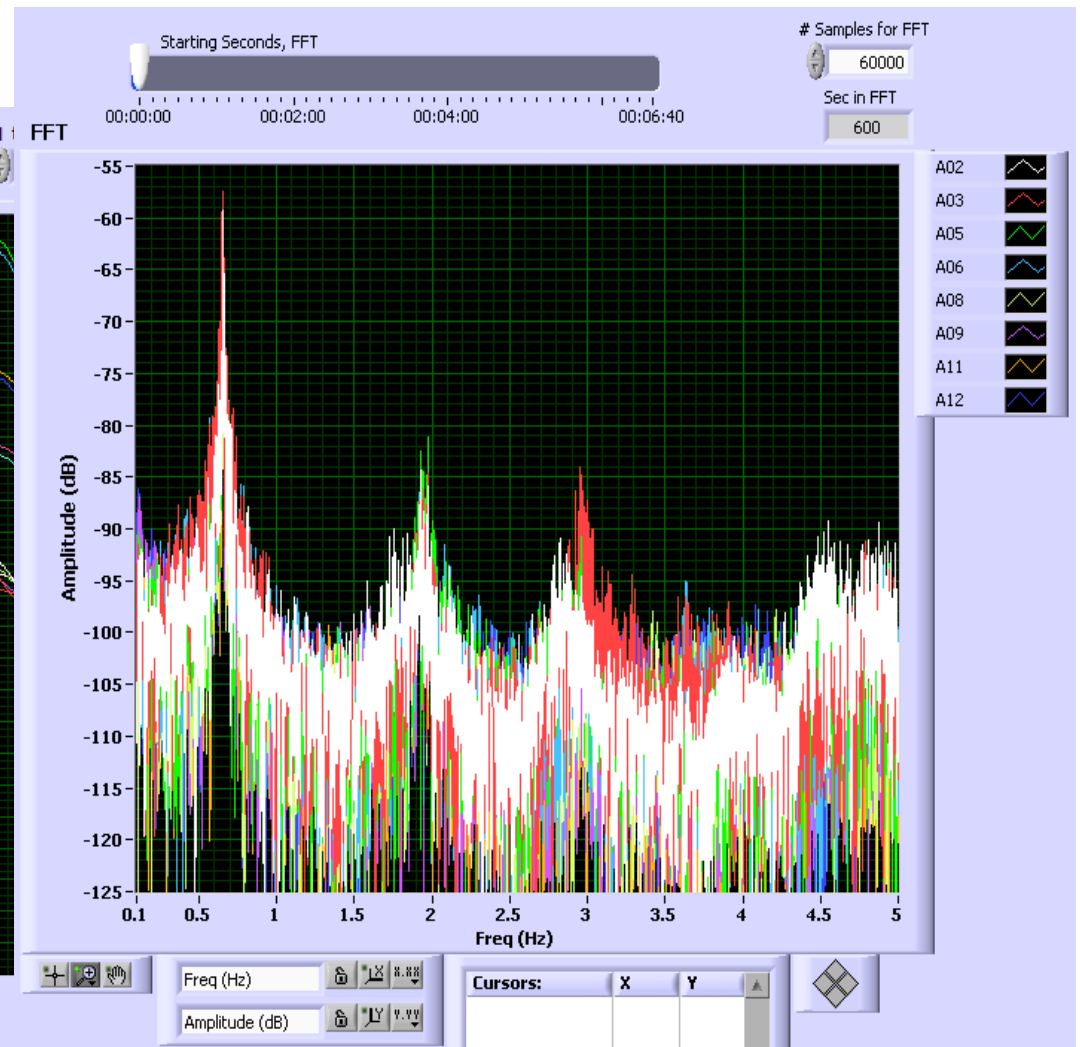
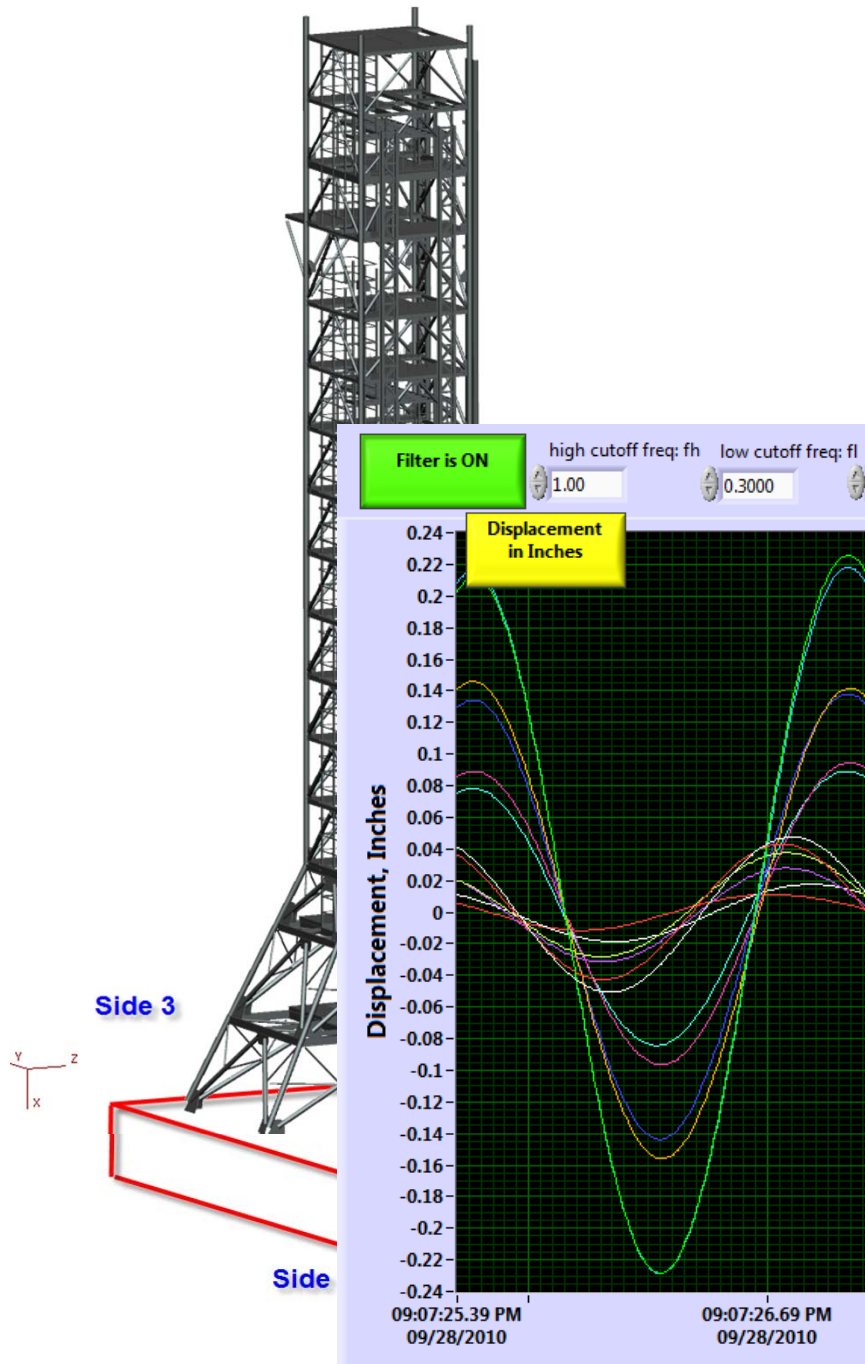
Zoom In NASA Asked For This Data



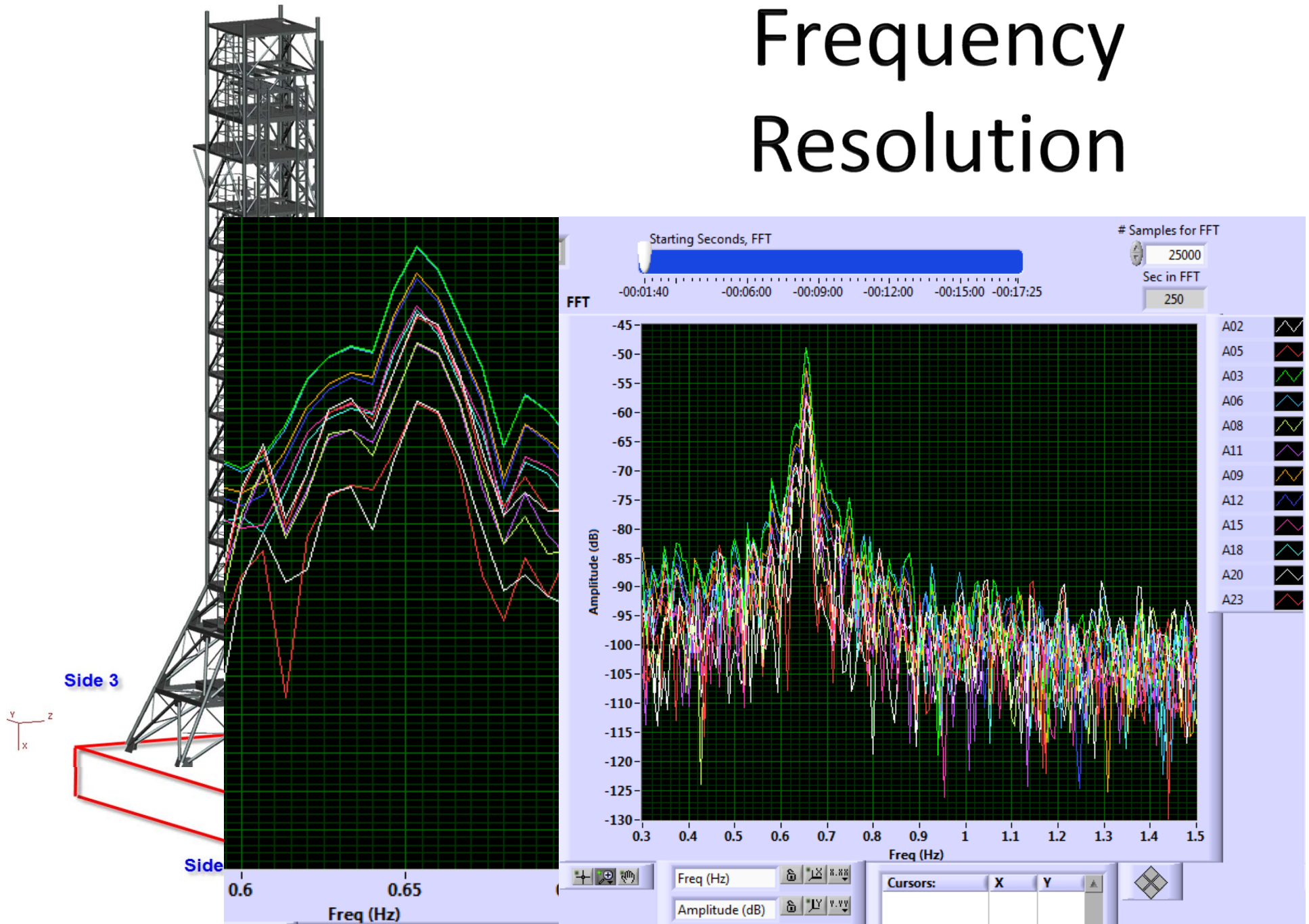
LETF Provided In Real-Time



Frequency Resolution

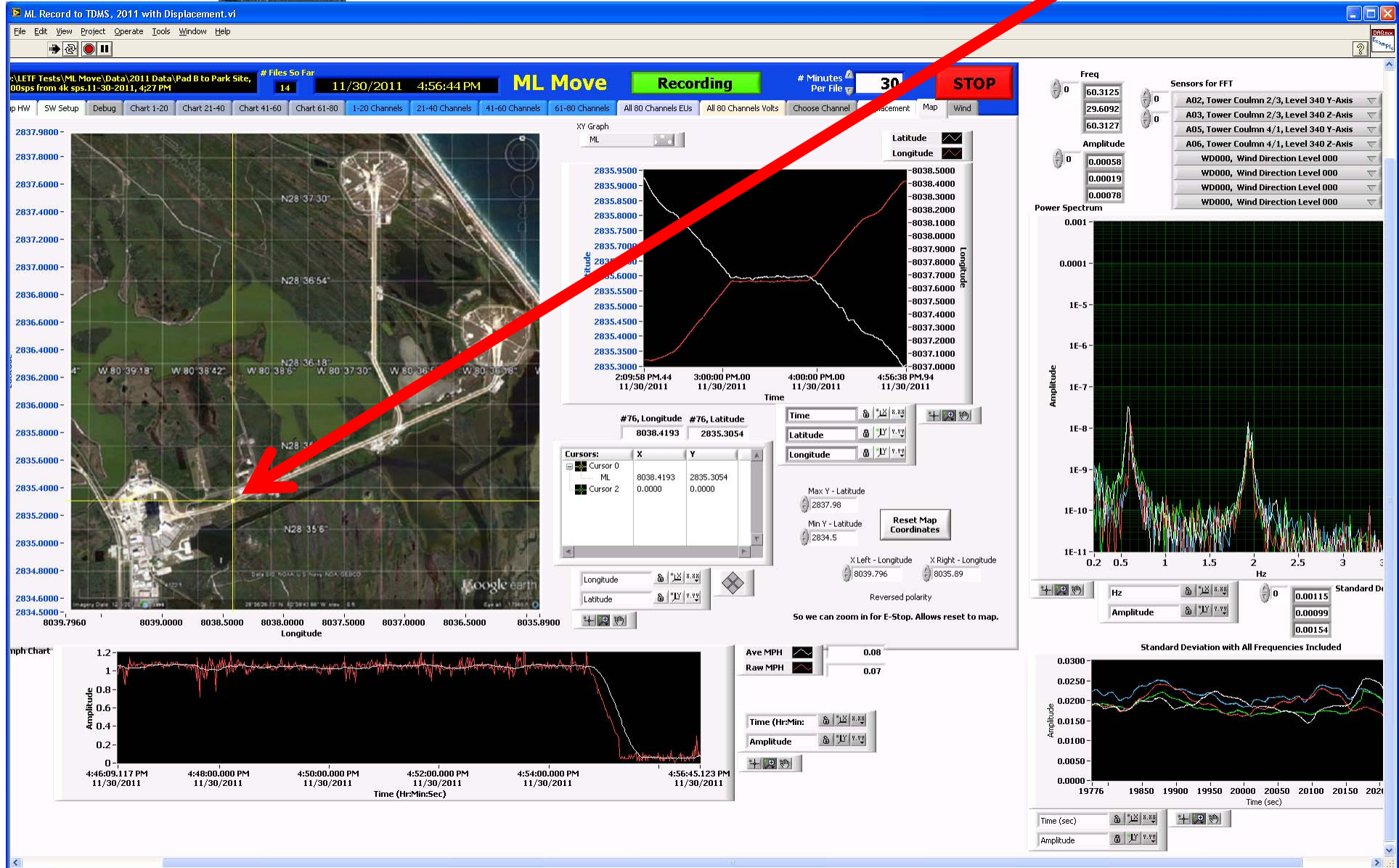


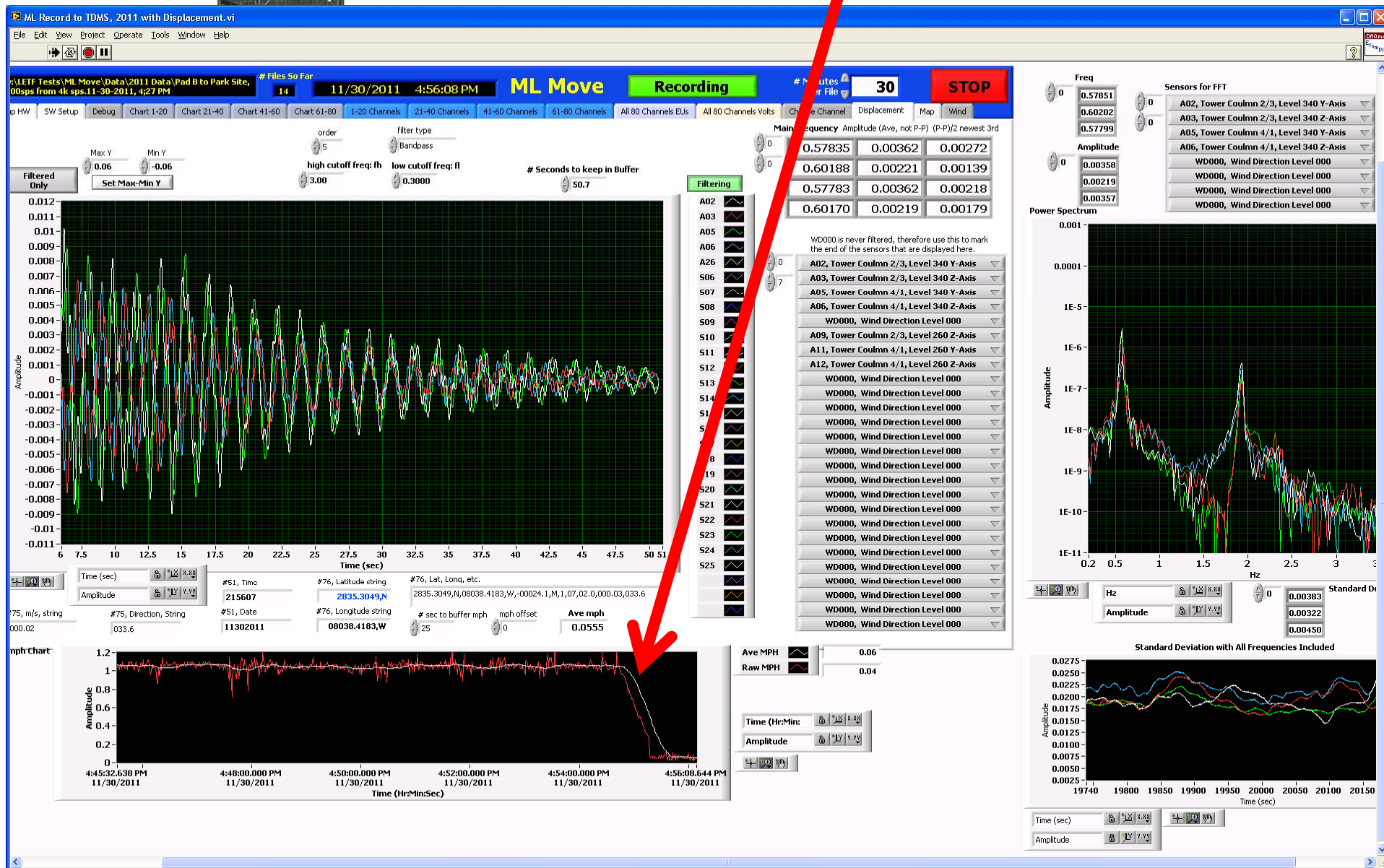
Frequency Resolution





Real-Time MAP

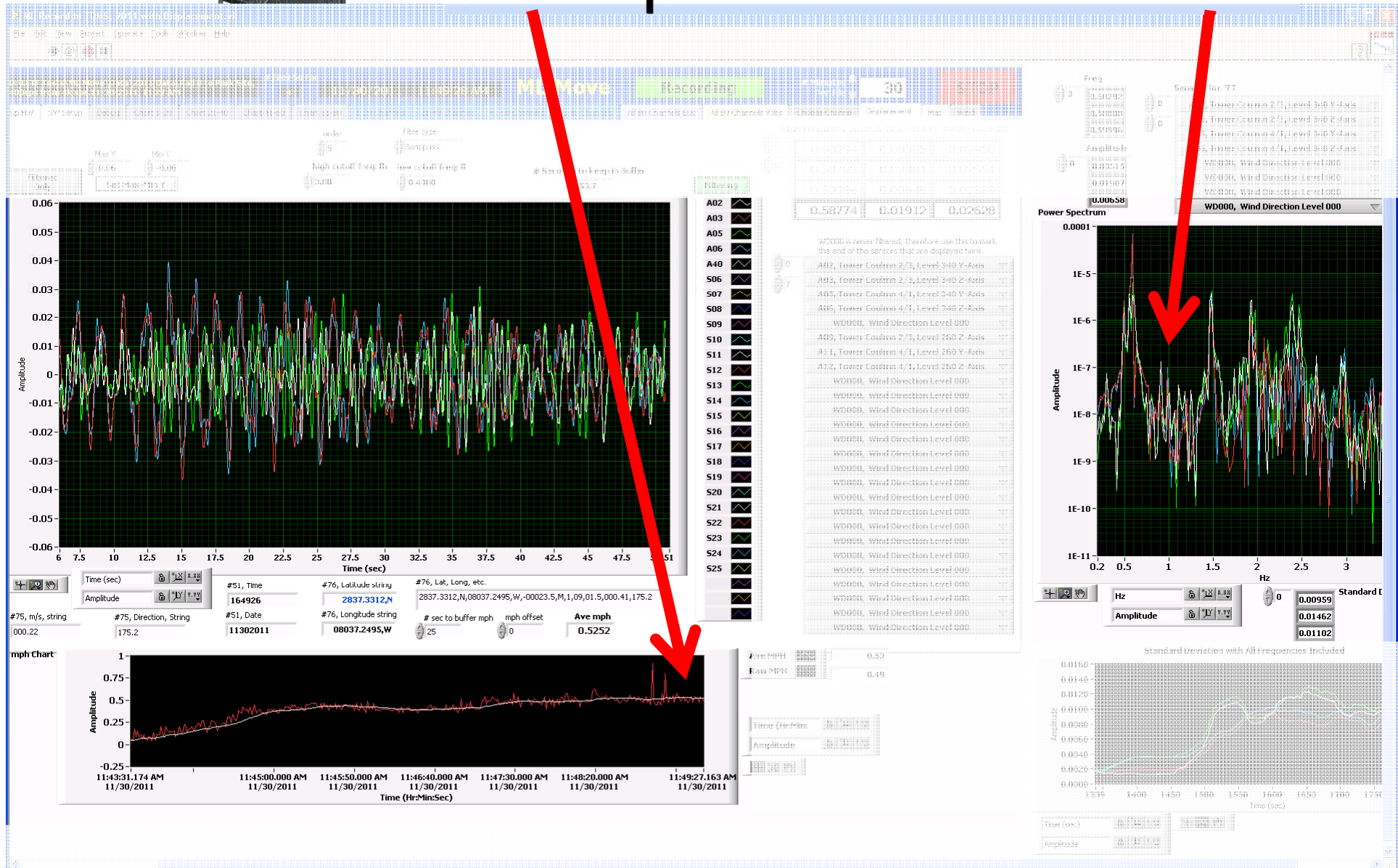






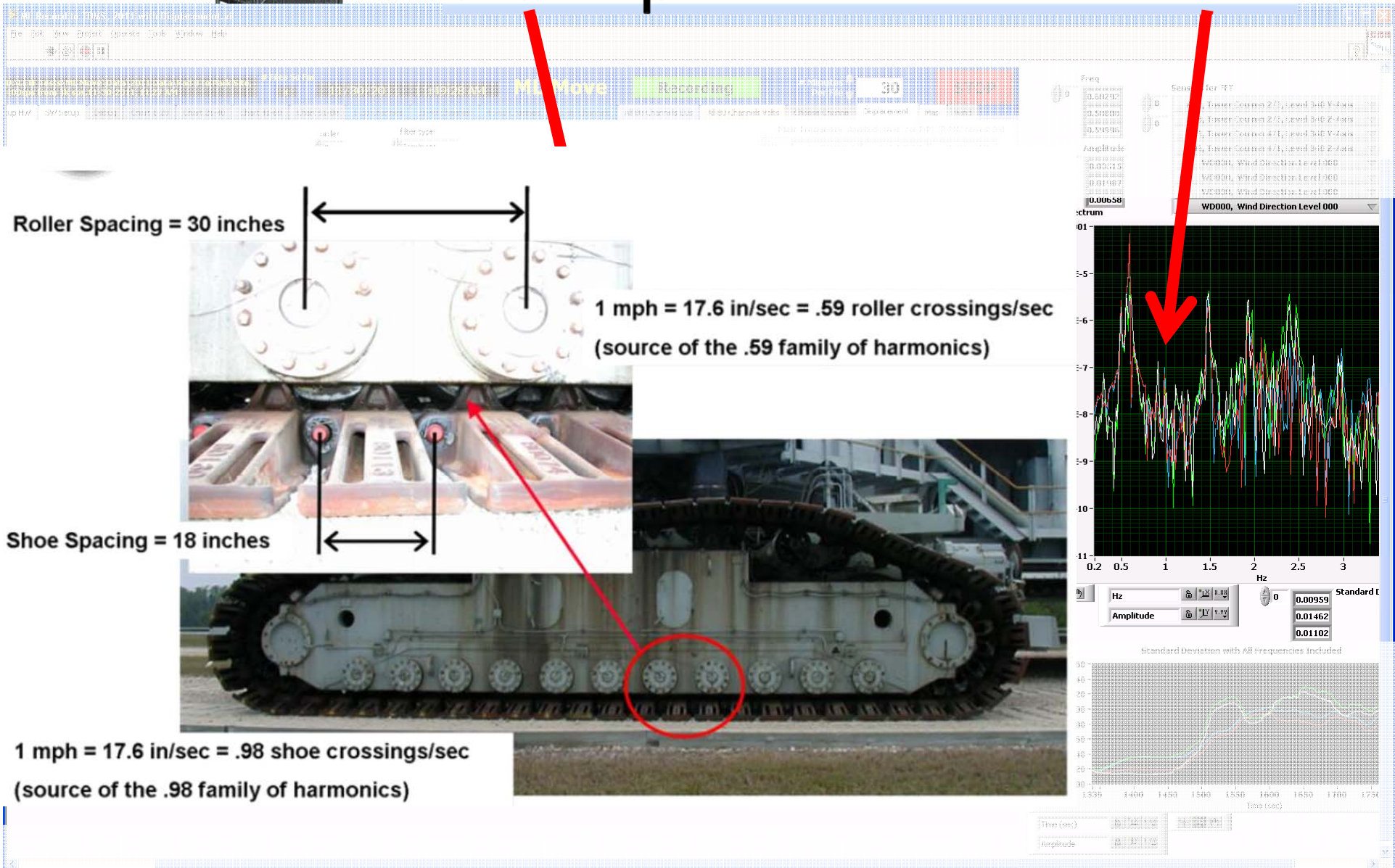
Predicted Frequencies

0.5 mph 2^{nd} Harmonic 2^{nd} FF = 0.98 Hz

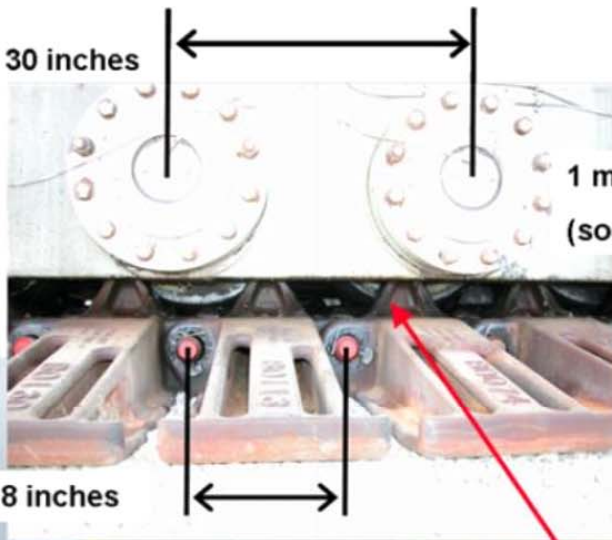


Predicted Frequencies

0.5 mph 2^{nd} Harmonic 2^{nd} FF = 0.98 Hz

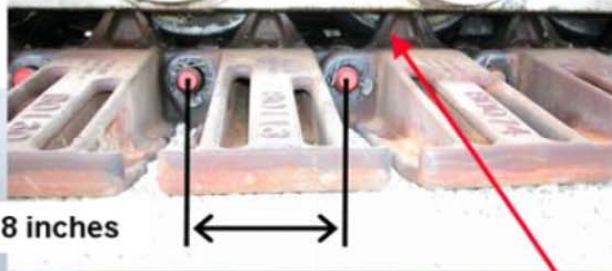


Roller Spacing = 30 inches

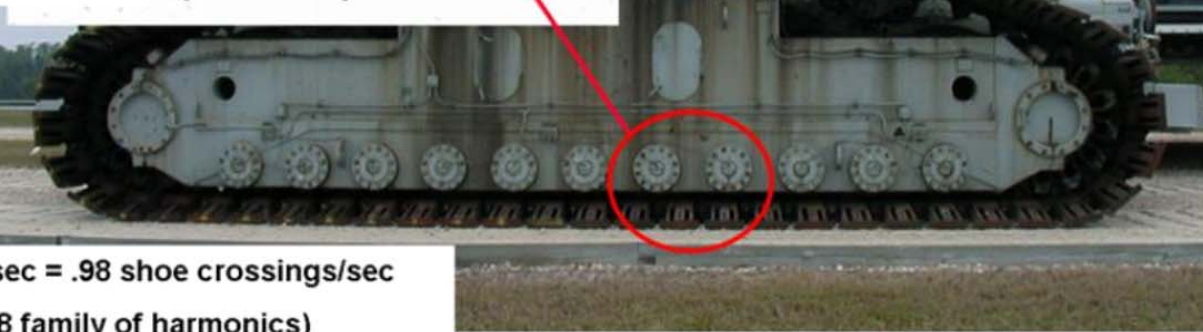


1 mph = 17.6 in/sec = .59 roller crossings/sec
(source of the .59 family of harmonics)

Shoe Spacing = 18 inches



1 mph = 17.6 in/sec = .98 shoe crossings/sec
(source of the .98 family of harmonics)

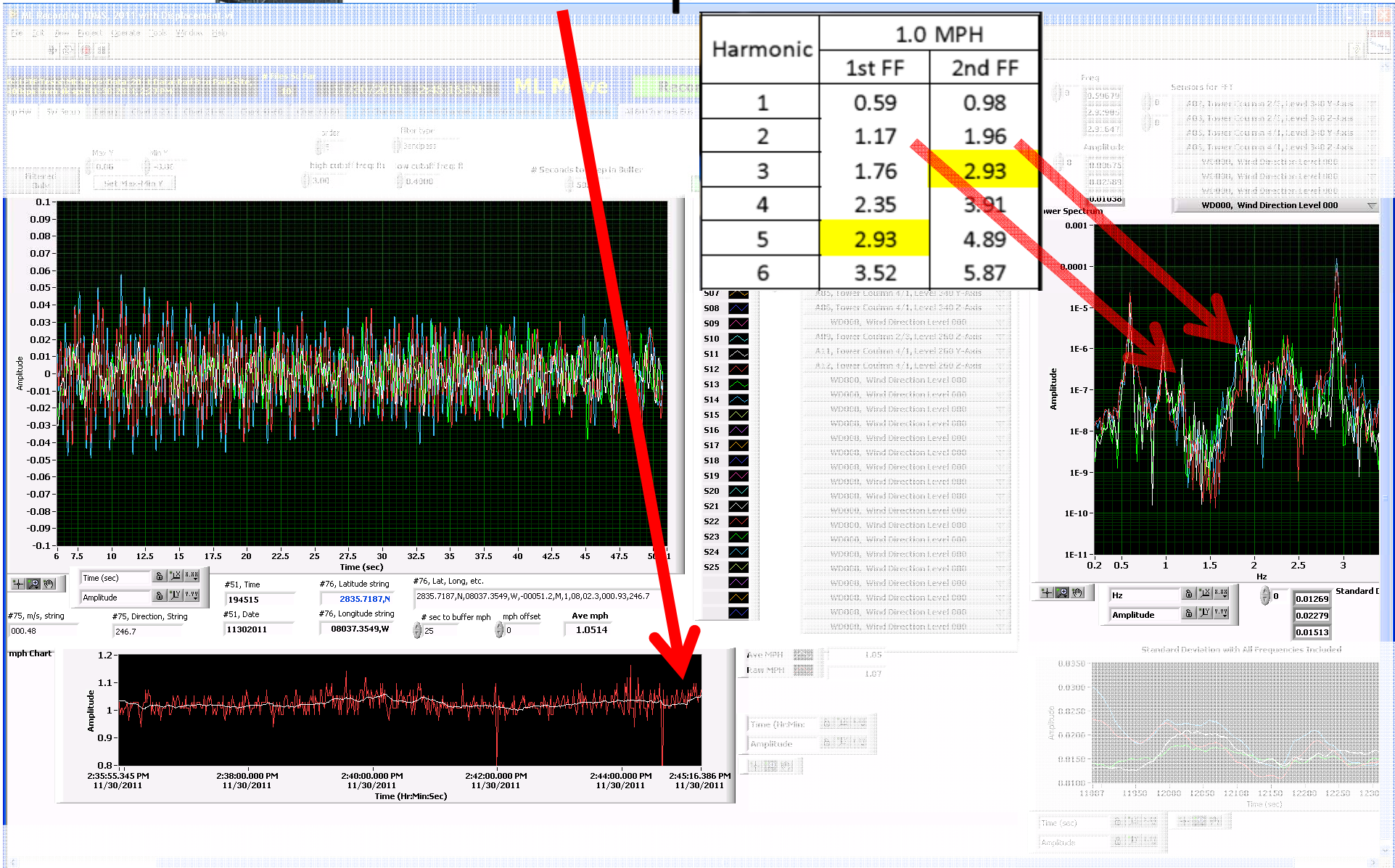




Predicted Frequencies

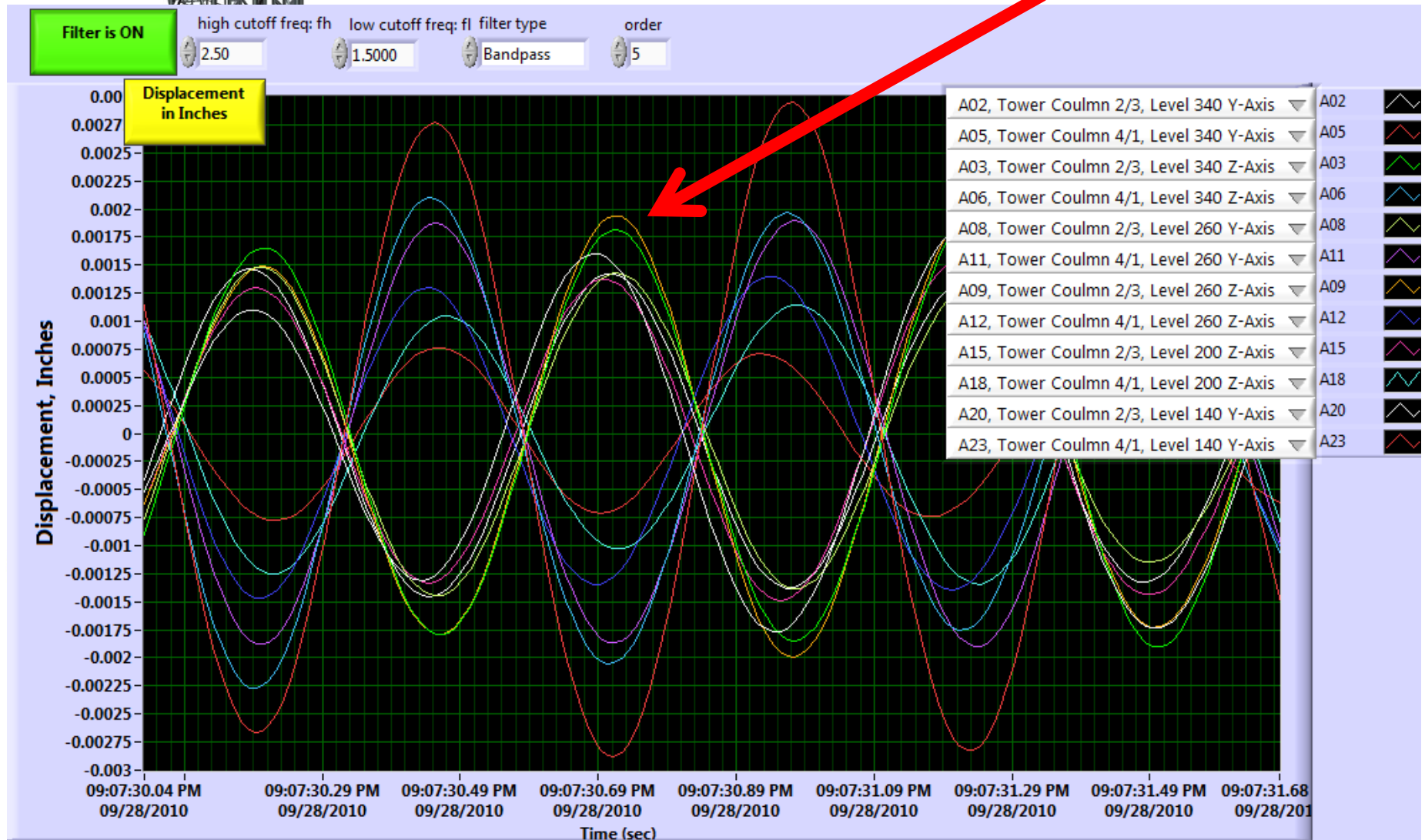
1.0 mph 2nd Harmonic 1st FF = 1.17 Hz

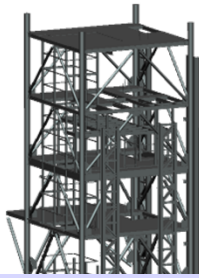
Harmonic	1.0 MPH	
	1st FF	2nd FF
1	0.59	0.98
2	1.17	1.96
3	1.76	2.93
4	2.35	3.91
5	2.93	4.89
6	3.52	5.87



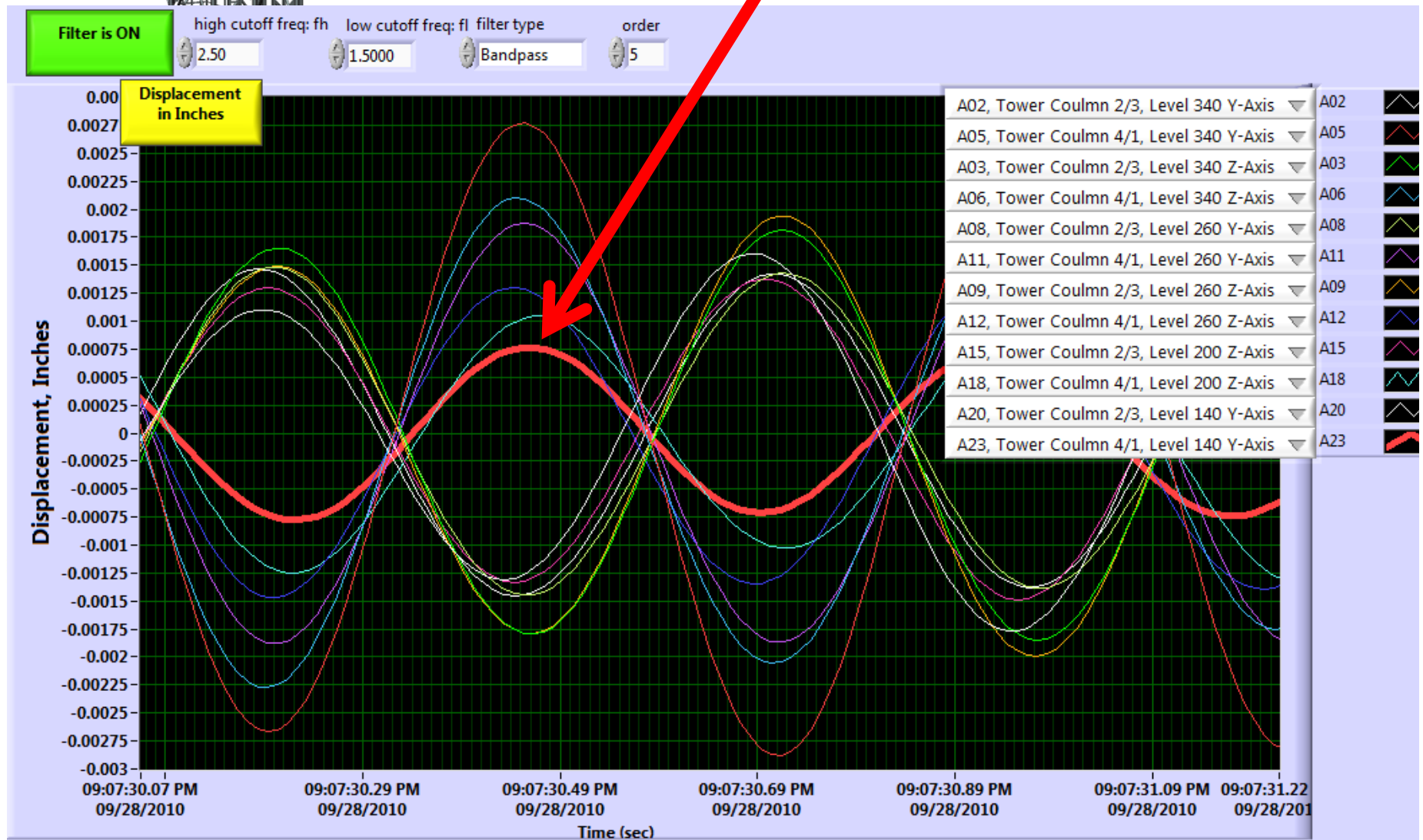


Weather: Not only 1st Mode, But 2nd Mode





Resolution Displacement 0.0001"



LETF Data Acquisition

